

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
8 April 2004 (08.04.2004)

PCT

(10) International Publication Number
WO 2004/028461 A2

- (51) International Patent Classification⁷: **A61K** (74) Agent: **FOX, Angus, Cannon**; 4093 N. Imperial Way, Provo, UT 84604-5386 (US).
- (21) International Application Number: PCT/US2003/030385 (81) Designated States (*national*): AU, BR, CA, CN, ID, IN, JP, KR, MX, PH, RU, SG, TR, UA, US, ZA.
- (22) International Filing Date: 25 September 2003 (25.09.2003) (84) Designated States (*regional*): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).
- (25) Filing Language: English
- (26) Publication Language: English Declaration under Rule 4.17:
— of inventorship (Rule 4.17(iv)) for US only
- (30) Priority Data: 60/413,379 25 September 2002 (25.09.2002) US Published:
— without international search report and to be republished upon receipt of that report
- (71) Applicants and
(72) Inventors: **MINER, Edwin, Odell** [US/US]; 4605 North 650 East, Provo, UT 84604 (US). **EATOUGH, Craig, Norman** [US/US]; 1711 North 1350 West, Provo, UT 84604 (US).
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ANTISEPTIC SOLUTIONS CONTAINING SILVER CHELATED WITH POLYPECTATE AND EDTA

(57) Abstract: A liquid antiseptic and cleanser having improved long-term stability includes at least the following principal ingredients: deionized water; silver ion, polypectate, and ethylenediaminetetraacetic acid (EDTA). Presently preferred embodiments of the technology also include glycerine; 1,2-propanediol (a.k.a. propylene glycol); at least one surfactant from any of the families of alkylsulfates, sulfonates, alkanolamides, betaines, amine oxides, sarcosinates and sulfosuccinates; and a buffering compound sufficient to achieve a pH value within a range of 7.2 to 7.8.

WO 2004/028461 A2